

Claims

1. A method for producing a hydrogenated petroleum resin, characterized in that the method comprise the steps of: polymerizing a cyclopentadiene compound and a vinyl aromatic compound through solution copolymerization in a first solvent; removing the solvent so as to isolate the formed copolymer; hydrogenating the isolated copolymer dissolved in a second solvent; and removing the second solvent from the formed hydrogenated reaction mixture for isolating a hydrogenated petroleum resin, wherein the first solvent comprises a recycled solvent and contains a low-molecular-weight compound which is by-produced during polymerization in an amount of 4 mass% or less, and the removal of the second solvent is performed such that a hydrogenated low-molecular-weight compound remains in an amount of 6 to 10 mass% in the hydrogenated petroleum resin.

2. A hydrogenated petroleum resin which is produced through a method as recited in claim 1 and which resin has a softening point of 90 to 160°C.

3. A hot-melt adhesive composition comprising a hydrogenated petroleum resin which is produced through a method as recited in claim 1.